

The COMET HD wheel



The shot blast wheel for the heavy duty industry.

The COMET HD wheel will solve current problems or provide additional benefits to your current process, such as:

- Save money
 - Reduce abrasive consumption
 - Increase lifetime of wear parts
 - Use less energy/decrease running costs
- Deliver better performance
 - Increase uptime
 - Improve cleaning performance
 - Reduce and simplify maintenance

The flexibility of the COMET HD wheel ensures that it is adaptable for all Wheelabrator and non Wheelabrator wheel blast equipment so you can have all the benefits of the latest technology at a lower cost.

As a direct drive wheel we have left and right hand models available to ensure it fits all applications and machine designs.

Heavy duty industries in which the COMET HD wheel will make a significant difference include:

- Foundry
- Forge
- Steel

The COMET HD wheel can be easily retrofitted to all types of surface preparation equipment:

- Tumbblast
- Roller conveyors
- Hanger type
- Table
- Horizontal belt

Applications in which the COMET HD wheel can be added include:

- Heavy casting cleaning/desanding in the Railway, Automotive and Marine sector
- Special alloy heavy casting cleaning in the Marine/Oil sector
- High production casting cleaning and heavy forge descaling in the Automotive sector
- Steel billet/strip cleaning

For more information please contact:

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The COMET HD wheel

Technical specifications

Features & Benefits

COMET HD will

- Reduce costs
- Improve uptime
- Lower wear part change
- Advance your product quality
- Improve cycle times

Save abrasive costs by having these features:

- Integrated abrasive feed hose interface with feed spout
- Maintenance free frictionless hub seal to reduce abrasive and dust leaks
- Integrated hub fan blocks abrasive from entering the motor shaft area
- Greater blast effect with less abrasive, reducing blast cycle time and eliminating re-blast conditions
- Efficient and controlled abrasive flow through the impeller and cage to the blade to reduce abrasive grinding and breakdown rate

Reduce maintenance time

- Direct drive provides reduced maintenance intervals
- Increased parts life due to special alloy materials
- Fewer parts to be replaced (only 5 liner parts as opposed to the multiples in other wheels)
- Precision Lok set at commissioning to ensure "tune up kit" refits are accurate and repeatable to keep wheel refit times to a minimum
- Less wear, reduction in frequency of changing parts
- Longer lasting impeller and control cage due to new design shape
- Easy access to maintain and change parts, and no need for highly qualified engineer to manage - the new design prevents incorrect assembly
- Easy fit up of replacement parts due to housing design

Improve uptime

- Blast pattern density improvements
- Guaranteed blast repeatability with the Precision Lok system
- Bolted construction design to maintain accuracy of the housing dimensions
- Easy replacement of the housing end plates – extending the housing life
- Quality assurance and traceability on individual parts
- Reduced production bottlenecks due to extended machine availability/uptime

Health and safety benefits

- Less vibrations and resultant operating noise than belt driven wheels to meet stringent health and safety legislation



Subject to technical alterations • 11/15 • © wheelabratorgroup

Power supply cycles	RPM	Diameter Tip to Tip (mm)	Width (mm)	Power ranges (kW)					
				15	18.5	22	30	37	45
60 Hz	3600	330	90	x	x	x	x	x	x
50 / 60Hz	3000 / 3600	380	90	x	x	x	x	x	x
50 / 60Hz	3000 / 3600	410	90	x	x	x	x	x	x